



Application No. 10/719,692
Attorney Docket No. 6539.00167
Confirmation No. 1902

AMENDMENTS TO THE CLAIMS

This listing replaces all prior version and listing of claims in the application:

Claims 1-7: Cancelled

8. (Currently Amended): A method of identifying a modulator of a ~~TGR183~~ polypeptide that has G-protein coupled receptor activity, ~~and is activated by nicotinic acid, and (A) comprises at least 70% amino acid sequence identity to SEQ ID NO:6, (B) comprises at least 20 contiguous amino acids of SEQ ID NO:6, or (C) comprises the amino acid sequence of SEQ ID NO:6;~~ wherein the method comprises:

contacting a compound with ~~a recombinant TGR183~~ said polypeptide; and
determining the level of binding of nicotinic acid to the ~~TGR183~~ polypeptide in comparison to the level of binding between nicotinic acid and said polypeptide in the an absence of said compound.

9. (Original): The method of claim 8, wherein the step of determining the level of binding comprises detecting nicotinic acid binding in a competitive binding assay.

10. (Currently amended): The method of claim 8, wherein the step of determining the level of binding comprises detecting an alteration in a nicotinic acid-induced ~~TGR183~~ activity of said polypeptide.

11. (Currently amended): The method of claim 10, wherein the nicotinic acid-induced ~~TGR183~~ activity is an increase in intracellular calcium.

Claims 12-32: Cancelled